

[POROUS MATERIAL, METHOD AND ARRANGEMENT FOR CATALYTIC CONVERSION OF EXHAUST GASES]

Abstract of Disclosure

Porous material (1) for catalytic conversion of exhaust gases including a carrier with a first porous structure (2, 2'), and an oxidation catalyst (OX) which in the presence of oxygen (O_2), according to a first reaction (3), has the ability to catalyze oxidation of nitrogen monoxide (NO) into nitrogen dioxide (NO_2) and, according to a second reaction (4, 4'), to catalyze oxidation of a reducing agent (HC), which oxidation catalyst (OX) is enclosed inside the first porous structure (2, 2'). The invention is characterized in that the oxidation catalyst (OX) includes iron (Fe) and silver (Ag) loaded on a zeolite. The invention also relates to a method and an arrangement and a catalytic conversion device that utilizes the porous material, and indicates an advantageous use of the porous material.

Figures